Restructuring of Water Resources Department and its organizations.

Government of Maharashtra
Water Resources Department,
Government Resolution No.WRD-Restructuring/ 2009/(16/09)/WR(Est),
Mantralaya, Mumbai-400 032
Date:- 12/10/2010

Preamble :- The Government of Maharashtra has adopted the State Water Policy 2003. According to the said Policy the State is required to create new institutional arrangements at the State level, river basin level and project level, and also to restructure the existing water/irrigation sector institutions, with a view to establish the regulatory frame work in water sector and to ensure integrated and multi sectoral planning, development and management of water resources on a river basin basis, and to improve the service deliveries for various water uses through transfer of service delivery functions to the legally empowered Water Users' Associations. As a part of the implementation of the State Water Policy the Government of Maharashtra has already enacted :

Maharashtra Water Resources Regulatory Authority Act, 2005 and Maharashtra Management of Irrigation System by Farmers Act, 2005 and has established Maharashtra Water Resources Regulatory Authority (MWRRA); and completed elections of a number of Water Users' Associations.

In view of the above initiatives by the Government of Maharashtra and as a further logical follow up action under the State Water Policy 2003, the existing Water Resources Department and its Organizations are also required to be restructured and their roles and responsibilities are to be readjusted and redefined.

In order to achieve the above objectives it was under consideration of the Government to restructure the Water Resources Department and its organisations.

Government Resolution :-

Government has taken a decision to restructure Water Resources Department and its organisations with effect from Date 1/12/2010 as per the 'Annexure-A' enclosed herewith.

This Government Resolution is available on website www.maharashtra.gov.in and its computer code is 20101012201455001.

By order and in the name of the Governor of Maharashtra,

Enclosure- Annexure -A

(E.B.Patil)
Secretary to Government of Maharashtra.

Copy to –

Principal Secretary, to Hon. Chief Minister, Govt. of Maharashtra, Mantralaya, Mumbai.
P. S. to Hon. Dy. Chief Minister, Govt. of Maharashtra, Mantralaya, Mumbai.
P.S. to Hon. Minister, Water Resources Department (excluding MKVDC), Mantralaya, Mumbai.
P. S. to Hon. Minister, Water Resources Department (MKVDC), Mantralaya, Mumbai.
P.S. to Hon. Minister, Khar Land, Mantralaya, Mumbai.
P.S. to Hon. State Minister, Water Resources Department, Mantralaya, Mumbai.
P.S. to Hon. State Minister, Khar Land, Mantralaya, Mumbai.
P.S. to Hon. State Minister, Command Area Development, Mantralaya, Mumbai.
Chief Secretary, Government of Maharashtra, Mantralaya, Mumbai.
Principal Secretary, General Administration Department, Mantralaya, Mumbai.
Principal Secretary, Finance Department, Mantralaya, Mumbai.

Principal Secretary, Planning Department, Mantralaya, Mumbai
Secretary, Water Resources Department, Mantralaya,
Secretary, (CADA), Mantralaya , Mumbai
Secretary, Maharashtra Water Resources Regulatory Authority, Mumbai
Accountant General,Maharashtra State, Mumbai/Nagpur
Director General, Maharashtra Engineering Research Institute,(MERI), Nashik.
Director General, Water And Land Management Institute,(WALMI), Aurangabad.
Executive Director, MKVDC, Pune/, KIDC, Thane/ TIDC, Jalgaon/ GMIDC,Aurangabad/ VIDC, Nagpur.
Chief Engineer, Hydrology Project, Nashik.
Chief Engineer, Mechanical,WRD, Nashik.
Chief Engineer, Hydro Electric Projects (Electrical),Mumbai
Chief Engineer, Maharashtra Enginnering Training Academy,Nashik.
Chief Engineer, WRD, Aurangabad./ Nagpur/ Amravati./ Pune/, Konkan Region, Mumbai./ North Maharashtra Region, Nashik/ TIDC, Jalgaon.
Chief Engineer, CADA, Aurangabad.
Chief Engineer, Maharashtra Water Development Center Aurangabad .
Chief Engineer, Gosikhurd Project, WRD, Nagpur.
Chief Engineer, (SP), WRD, Amravati/(SP), WRD, Pune.
Chief Engineer, Koyna Project, Pune.
Chief Engineer & Joint Secretary, (WR) Mantralaya, Mumbai.
Chief Engineer & Joint Secretary, (V&P) Mantralaya, Mumbai.
Chief Engineer & Joint Secretary, (I) Mantralaya, Mumbai.
Chief Engineer & Joint Secretary, (KWDT) Mantralaya, Mumbai.
Joint Secretary, (Services), WRD, Mantralaya, Mumbai.
IFA & Joint Secretary, WRD, Mantralaya, Mumbai.
All Deputy Secretaries/ Under Secretaries/ Desk Officers, WRD, Mantralaya, Mumbai.
Superintending Engineer, DIRD, Pune.
WR(Est.) for collection.

Accompaniment to G.R. No.WRD-Restructuring/ 2009/(16/09)/WR(Est.), Dt. 12th October,2010.

Annexure 'A'

Restructuring of Water Resources Department (WRD)

Background of Restructuring of W.R.D.

- Adoption of State Water Policy (SWP) in year 2003.
- The Maharashtra Water Resources Regulatory Authority (MWRRA) Act 2005 enacted from 8th June 2005 to achieve objectives of SWP.
- To improve performance of irrigation service through effective participation of Water Users Association (WUA), the Maharashtra Management of Irrigation System by Farmers (MMISF) Act-2005 came into force from 19th May 2005.
- Institutional, Administrative & Financial policy reforms Viz. (1) Benchmarking of projects (2) Water Auditing (3) Publication of Irrigation Status Report (4) Human Resources Management & Development

Objectives of Restructuring

- Redefine & reorient roles & responsibilities of the existing WRD & organisations under it.
- Restructuring of WRD in tune with SWP as indicated in the legal covenants of World Bank assisted Maharashtra Water Sector Improvement Project (MWSIP).

Roadmap of Restructuring

- To redefine role and responsibilities of the existing WRD and carryout organisational restructuring of WRD at Mantralaya level in tune with reforms in water sector.
- Restructuring of field level organisation on the basis of revised functions.

- To convert the Irrigation Development Corporations (IDCs) into respective River Basin Agencies (RBAs) in tune with proposed RBA Act.
- Enact Maharashtra Krishna River Basin Agency (MKRBA) Act & to convert existing Maharashtra Krishna Valley Development Corporation (MKVDC) in to MKRBA. Based on this experience conversion of other IDCs into respective RBAs will be done.
- Restructuring of Mainline organisations.
- Restructuring of support organisations.

Salient Features of Restructured Water Resources Department :-.

- The present designation of Secretary, Water Resources (WR) will be Secretary, Water Resources Project & Development (WRP & Devp.)
- The present designation of Secretary, Command Area Development(CAD) will be Secretary, Water Resources Management & Command Area Development (WRM & CAD)
- The present designation of DG, MERI, Nashik will be Director General, Design, Training, Hydrology, Research & Safety (DTHRS) , Nashik.
- Quality Control, Assurance & Vigilance will work under administrative & technical control of DG, DTHRS, Nashik.
- C.D.O., META, Planning & Hydrology, MERI & D.S.O., will work under administrative & technical control of DG , DTHRS, Nashik.
- The present designation of C.E., META, Nashik will be C.E., Design, Training, Research & Safety (DTRS) , Nashik.
- Quality Control Circles now under C.E., Koyna Project will be under C.E., DTRS, Nashik.
- The Canal structures and other important structures will be under Dam Safety Organisation
- WALMI, MWRDC & DIRD will work under administrative & technical control of DG, WALMI.
- Name of Koyna Project, Pune will be Hydroelectric Project (Civil), Pune. Hence designation of C.E., Koyna Project, Pune will be C.E., Hydroelectric Project (Civil), Pune.
- There is no new posts creation.

- SE, Mechanical circle (Gates), Pune will work for all RBAs in Maharashtra. Other SE, Mechanical Circle (Construction Plant) will work for different RBAs.

Functions of the restructured Water Resources Department

- Overall control & policy issues related to planning, development, surveying, design & construction of the projects in the jurisdiction of all proposed RBAs.
- Budget and accounts under the heads of each proposed RBA & other organisations of WRD.
- Formulation of schemes of multi-purpose water resources projects, resource mobilization in the form of loan and grants and preparation & execution of the schemes.
- Inter State River Water disputes.
- Implementation of MWRRA Act 2005.
- All matters related to legislation and legislative assembly.
- Integrated Water Management (IWM), Command Area Development Authority (CADA) and Command Area Development (CAD) Programme.
- Implementation of MMISF Act 2005. Assessment, recovery and revision of water charges as per MWRRA Act-2005 and issues related with Participatory Irrigation Management (PIM) viz. WUAs etc.
- Flood protection works and functions entrusted to the Dept. under National Disaster Management Act–2006.
- Delineation of water logged & salt affected areas in irrigation canal commands, drainage schemes for water logged and salt affected areas.
- Applied as well as basic research related to Water Resources Engineering (WRE) and IWM through Maharashtra Engineering Research Institute (MERI), Directorate of Irrigation Research Development (DIRD) & Water and Land Management Institute (WALMI).

- Issues related to planning, design, execution, operation, maintenance and refurbishment of hydroelectric power projects and policy matters through privatisation.
- To exercise quality control of on-going water resources and hydro projects.
- Issues related to vigilance activities & departmental enquiries.

Functions of Secretary, Water Resources Project & Development (WRP& Devp.)

- Planning, development, surveying, design and construction of water resources projects in the jurisdiction of all the proposed RBAs.
- Formulation of schemes of multi-purpose water resources projects, resource mobilization in the form of loan, grants and preparation & execution of the schemes.
- Inter state river water disputes.
- Overall control and implementation of provisions of Maharashtra Water Resources Regulatory Authority (MWRRA) Act, 2005.
- Quality control of on-going water resources projects**.**

Function of Secretary, Water Resources Management & Command Area Development (WRM & CAD)

- IWM, CADA and CAD Programme.
- Implementation of provisions of MMISF Act 2005.
- Assessment, recovery and revision of water charges as per MWRRA Act-2005 and Participatory Irrigation Management (PIM) viz. WUAs etc.
- Delineation of water logged & salt affected areas in irrigation canal commands, drainage schemes for water logged and salt affected areas.
- Planning, design, execution, operation, maintenance and refurbishment of hydroelectric power projects with quality control and policy matters through privatisation.

State Level Technical Advisory Committee :-

One State Level Technical Advisory Committee is being set up for scrutinizing proposals pertaining to Administrative & Revised Administrative approvals of the Water Resources Projects.

The Constitution of the said committee is as under:-

1) Director General , DTHRS, Nashik . -- Chairman

2) Chief Engineer, DTRS, Nashik -- Member

3) Chief Engineer, Planning & Hydrology, Nashik -- Member

4) Superintending Engineer, Data Collection, Planning & Hydrology, Nashik -- Member Secretary

Office of S.E., Data Collection, Planning & Hydrology, Nashik will be used for carrying out functions of State Level Technical Advisory Committee.

Terms of Reference of State Level Technical Advisory Committee :-

- Scrutiny & clearance to the proposals of administrative approvals costing above Rs 25 crore for submission to Government.
- Scrutiny & clearance to the proposals of revised administrative approvals costing above Rs 25 crore for submission to Government.
- Overall control of vigilance
- Overall control of quality assurance

Functions of Director General, Design, Training, Hydrology, Research & Safty (DTHRS) Nashik

- Overall control of Central Design Organisation .
- Overall control of Maharashtra Engineering Training Academy
- Overall control of Hydrology & Planning
- Overall control of Maharashtra Engineering Research Institute
- Overall control of Dam Safty Organisation
- Overall control of State Level Technical Advisory Committee
- Overall control of Quality Control & Assurance
- Overall control of Vigilance

Functions of Director General, WALMI, Aurangabad.

- Overall control of Maharashtra Water Resources Development Center .
- Overall control of Directorate of Irrigation Research Development
- Overall control of Maharashtra Water and Land Management Institute

Proposed River Basin Agencies (RBA)

- **Maharashtra Krishna River Basin Agency (MKRBA)**
- **Godavari Marathwada River Basin Agency (GMRBA)**
- **Vidharbha River Basin Agency (VRBA)**
- **Tapi Khandesh River Basin Agency (TKRBA)**
- **Konkan River Basin Agency (KRBA)**

Functions of proposed River Basin Agencies (RBA) : -

- Preparation of integrated river basin and sub basin plan as regards Water Resources Planning & Development.
- Construction of water resources projects within their jurisdiction.
- Maintenance, operation and management of completed projects .
- Issuance of water entitlement at basin/sub-basin/reservoir level.
- Monitoring & checking of maintenance of the distribution system.
- Bulk/volumetric supply for domestic, industrial & irrigation water usage, supply of water to users.
- Formation of Water User Associations (WUA) as per the provisions of MMISF Act,2005.
- To promote & enhance preservation of water quality within basin & sub-basin.
- To promote water conservation in the basin & sub-basin.
- To levy & collect water charges.

Mainline Organisations under direct control of WRD :-

A) Hydro Electric Project (Electrical), Mumbai

B) Hydro Electric Project (Civil), Pune.

C) Khar Land Development Wing, Thane

A) Hydro Electric Project (Electrical),Mumbai :- The work of construction of electric and mechanical components of Hydro Electric projects and Lift irrigation schemes is entrusted to this organization.

B) Hydro Electric Project (Civil), Pune. **:-** The work of planning, execution, construction and maintenance of Hydroelectric Projects is entrusted to this organization.

C) Khar Land Development Circle, Thane :- This organization is working in Konkan region for the protection of low lying lands from the ingress of sea water and coastal salinity.

Support Organizations :

- Quality Control, Assurance & Vigilance (QA&V)
- Central Design Organization (CDO)
- Maharashtra Engineering Training Academy (META)
- Planning & Hydrology (P. & H.)
- Maharashtra Engineering Research Institute (MERI)
- Dam Safety Organization (DSO)
- Water and Land Management Institute (WALMI)
- Maharashtra Water Resources Development Center (MWRDC)
- Directorate of Irrigation Research & Development (DIRD)
- Mechanical Organization (MO)

Above support organisations are under Administrative control of various Secretary level officers of the Water Resources Department as mentioned below :-

A) Director General, (Design ,Training, Hydrology ,Research & Dam Safty), Nashik.

Following organisations will be under administrative & technical control of DG, DTHRS, Nashik.

i) Quality Control, Assurance & Vigilance, Nashik :- This organisation deals with quality control and quality assurance aspects of all projects.

This organization presently under C.E., Koyana will be under Chief Engineer, DTRS, Nashik.

ii) Central Design Organisation, Nashik :- Designs of masonry dams, earthen dams, gates, power houses and lift irrigation schemes. This organisation will be under control of C.E.(DTRS), Nashik.

iii) Maharashtra Engineering Training Academy, Nashik :- This Organisation conducts training courses for Engineers of W.R.D. and P.W.D, professional examination for Deputy Engineers and Junior Engineers. This organisation will be under control of C.E.(DTRS), Nashik.

iv) Planning & Hydrology, Nashik :- This organisation deals with_collection of hydrological data and its systematic analysis, testing of water quality. As a part of restructuring I.P.I. Organization will be under control of Planning & Hydrology so that the data analysed by Hydrology Project Circles could be used for planning of Irrigation projects. In the restructured scenario this organisation will be named as Planning & Hydrology**.** This organization will be under C.E., Planning & Hydrology, Nashik.

v) Maharashtra Engineering Research Institute, Nashik :- This organisation was established in 1959 for basic & applied research in the field of Hydro-dynamics, coastal engineering, soil mechanics, material testing, instrumentation, remote sensing, structural physics, environmental engineering

and seismic data analysis. This organisation will be under control of C.E.(DTRS), Nashik.

vi) Dam Safety Organisation, Nashik :- Since 1980 this organisation is identifying potential hazards of large dams/canals and suggesting remedial measures. The works of follow up of Dam Safety Inspection Report, conducting independent inspections of large dams, prescribing methods of dam and canal inspection, inspecting instruments in dams, gates and preparing emergency action plan/annual report on instrumentation data analysis etc. are performed by this organization. In the restructured scenario this organization will be under control of Chief Engineer (DTRS), Nashik

B) Director General ,Water & Land Management Institute, Aurangabad

Following organisations will be under administrative & technical control of DG,WALMI, Aurangabad.

i) WALMI, Aurangabad :- Objective of WALMI is to impart training in the field of water and land management to in service Engineers, Agriculture Officers, Irrigation staff and farmers. This organization will be strengthened under the capacity building exercise as enumerated in MWSIP.

ii) Maharashtra Water Resources Development Centre, Aurangabad :- This organisation gives recommendations for the overall Water Resources development in the State and monitors use of available water resources efficiently. This organization is under C.E., MWRDC.

iii) Directorate of Irrigation Research and Development, Pune :- This Directorate is entrusted with the work of research related to efficient and economical use of irrigation water, pre-irrigation soil survey and surveys of salt affected and water logged areas in the command of irrigation projects, formulation of plans for land reclamation etc. This organization is under S.E., DIRD, Pune.

C) Mechanical Organisation, Nashik :- This organisation deals with manufacturing & erecting different hydraulic gates and Inspection and maintenance of various hydraulic gates and maintenance of canals. Also construction of earthwork of major earthen dams, is looked after by this organisation.

The circles & divisions of Mechanical Organisation will work under different proposed RBAs..

SE, Mechanical circle (Gates), Pune will work for all proposed RBAs in Maharashtra. It will be under administrative & technical control of CE, Mechanical, Nashik

SE, Mechanical Circle (CP), Nagpur will work under proposed VRBA..

SE, Mechanical circle (CP), Nanded will work under proposed GMRBA.

SE, Mechanical circle (CP), Pune will work under proposed MKRBA & KRBA

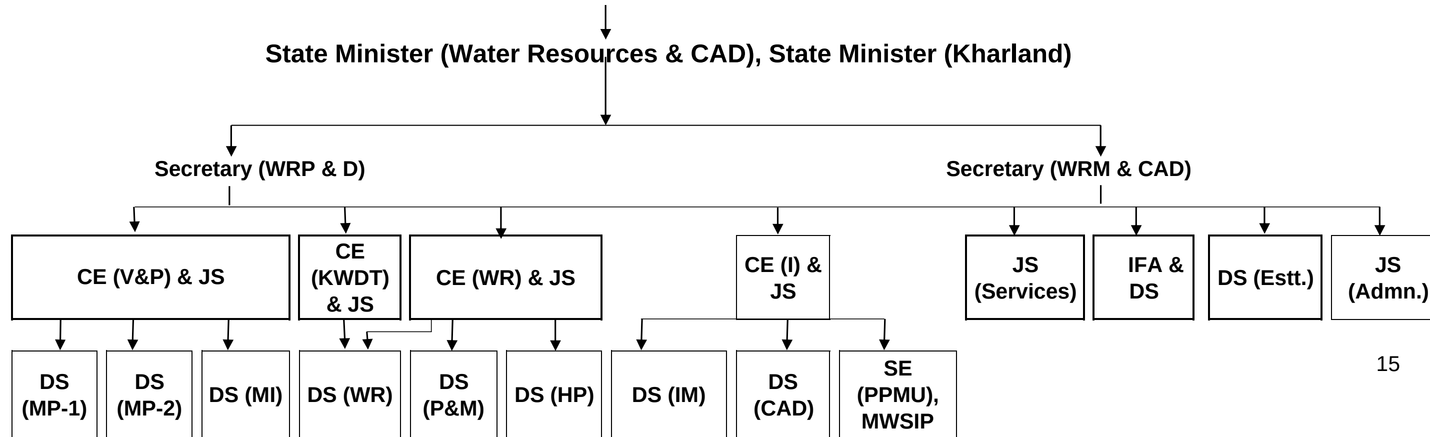
SE, Mechanical Circle (CP), Kolhapur will work under proposed TKRBA.

Above SEs will work under Administrative control of MD of respective proposed RBAs & technical control of C.E., Mechanical, Nashik.

ANNEXURE-1

ORGANISATION AT MANTRALAYA LEVEL OF RESTRUCTURED WATER RESOURCES DEPARTMENT

Minister Water Resources (Excluding MKRBA) & CAD AND Minister (Water Resources-MKRBA), Minister (Kharland)



ANNEXURE-2

ORGANISATION CHART OF PROPOSED RESTRUCTURED WATER RESOURCES DEPARTMENT

Minister, (MKRBA)

- **Minister of State (Water Resources)**
- **Secretary (WRP & D)** | **Secretary (WRM & CAD)**
- **MD, MKRBA, Pune**
  - **CE, WRD, Pune**
    - SE, PIPC, Pune
    - SE., KIC, Kolhapur
    - SE, SIPC, Sangli
    - SE, PIC, Pune
    - SE CADC Pune
    - SE CADC Solapur
  - **CE(SP), WRD, Pune**
    - SE., Kukdi PC, Pune
    - SE., Bhima Canal Circle, Solapur
    - SE., SIPC, Satara
    - SE, KK- LIPC, Sangli
    - SE., OIC, Osmanabad
    - S.E., Mech. Circle, (CP), Pune. #

Minister, Water Resources (Excluding MKRBA) & CAD

- **Minister of State (Water Resources)**
- **Minister of State (CAD)**
- **Secretary (WRP & D)**
- **Secretary (WRM & CAD)**

MD, VRBA, Nagpur
- **CE, Gosikhurd Proj., WRD, Nagpur**
  - SE. Gosi. PC, Nagpur
  - SE, Gosi. LIC, Bhandara
  - SE, NIC, Nagpur
- **Chief Engineer, WRD, Nagpur**
  - SE, CADC, Nagpur
  - SE, CIPC, Chandrapur
  - SE, IPIC, Nagpur
- **CE (SP), WRD, Amravati**
  - SE., Akola IC., Akola
  - SE., Vashim IC., Vashim
  - SE., IP & WRI, Amravati
- **CE, WRD, Amravati**
  - SE, YIC, Yavatmal
  - SE, BIPC, Buldhana
  - SE., UWPC, Amravati
  - S.E., Mech. Circle, (CP), Nagpur. #

MD, KRBA, Thane
- **CE, WRD, Konkan Region, Mumbai**
  - SE, NKIP Circle, Kalwa-Thane
  - SE, SKIP Circle, Oras-Sindhudurg
  - SE, Thane Irrig. Circle, Thane
  - SE, Kon.Irrig.Circle, Kuwarbav-Ratnagiri
  - S.E., Mech. Circle, (CP), Pune. #

MD, GMRBA, Aurangabad
- **CE, WRD, A'bad**
  - SE, AIC, A'bad
  - SE, BIC, Parli
  - SE, NIC, Nanded
  - SE.,OIC, O'bad
- **CE & CA, CAD WRD, A'bad**
  - SE. CADC, A'bad
  - SE. CADC, Beed
  - SE, JPC, A'bad
  - SE, UPPC, Nanded
- **CE, WRD, NMR, Nashik**
  - SE. CADC, A'nagar
  - SE. CADC, Nashik
  - S.E., Mech. Circle, (CP), Nanded. #

MD, TKRBA, Jalgaon
- **CE, TKRBA, Jalgaon**
  - SE, CADC, Jalgaon
  - SE, JIP Circle, Jalgaon
  - SE, NIP Circle, Dhule
  - S.E., Mech. Circle, (CP), Kolhapur. #

DG, DTHRS Nasik
- **CE, Planning & Hydrology, Nashik**
  - *SE., Data Collection Circle, Nashik*
  - *SE., Data Analysis Circle, Nashik*
  - SE., IPI Circle, Amravati
  - SE., IPI Circle, Nagpur
  - SE., IPI Circle, Pune (Proposed).
- **CE., (DTRS), Nashik**
  - SE, CDO (MD), Nashik
  - SE, CDO (ED), Nashik
  - SE, CDO (Gates), Nashik
  - SE, CDO (PH), Nashik
  - SE & Jt.Dir. META, Nashik
  - SE & Jt.Dir. MERI, Nashik
  - SE, DSO, Nashik
  - SE,QA Pune
  - SE,QA A'bad
  - SE,QA Nagpur
  - SE, Vigi. Unit, Pune
  - SE, Vigi. Unit, Thane
  - SE, Vigi. Unit, Nagpur
  - SE, Vigi. Unit, Aurangabad
  - SE, Vigi. Unit, Amaravati

DG, WALMI, Aurangabad
- **CE. MWRDC, A'bad**
  - SE & DIR., WALMI, A'bad
  - SE, DIRD, Pune

Hydro Electric Project
- **CE Hydro Elect Project (Elect.), Mumbai**
  - SE., Ghatghr Circle, Thane
  - SE. Erection Circle, Satara
  - SE. Erection Circle, Kolhapur
  - SE., Koyna Design Circle Pune
  - SE, Vidarbha HEP & Lift IC, Nagpur
- **CE Hydro Elect Project (Civil), Pune**
  - SE., Koyna Construction Circle, Satara
  - SE., Koyna Design Circle, Pune

CE, Mech., Nashik
- S.E., Mech. Circle, (Gates) Pune. (For all RBAs.)
- S.E., Mech. Circle, (CP), Pune. *
- S.E., Mech. Circle, (CP), Nanded. *
- S.E., Mech. Circle, (CP), Kolhapur. *
- S.E., Mech. Circle, (CP), Nagpur. *

Minister (Kharland)

- **Minister of State (Kharland)**
- **Secretary (WRM&CAD)**
- **CE, WRD, Konkan Region,** SE & Proj.Dir., Kharland

*** Under technical control of CE, Mechanical, Nashik**

Under administrative control of respective RBA



BBREVIATIONS

•C.A.D.	Command Area Development
•CADA	Command Area Development Authority
•CADC	Command Area Development Circle
•C.D.O	Central Design Organisation
•CE	Chief Engineer
•CP	Construction Plant
•D.G	Director general
•D.I.R.D.	Directorate of Irrigation Research and Development
•DS	Deputy Secretary
•DSO	Dam Safety Organisation
•DTHRS	Design, Training, Hydrology, Research & Safety
•DTRS	Design, Training, Research & Safety
•GMIDC	Godavari Marathwada Irrigation Development Corporation
•GMRBA	Godavari Marathwada River Basin Agency
•GoM	Government of Maharashtra
•GSDA	Ground water Survey and Development Agency
•HP	Hydrology Project
•IC	Irrigation Circle
•IDCs	Irrigation Development Corporations
•IPC	Irrigation Project Circle
•IPI	Irrigation Project Investigation
•IPIC	Irrigation Project Investigation Circle
•I M	Irrigation Management
•IWM	Integrated Water Management
•JS	Joint Secretary
•KIDC	Konkan Irrigation Development Corporation
•KRBA	Konkan River Basin Agency
•LIC	Lift Irrigation Circle
•M&R	Maintenance and repairs
•MD	Managing Director
•MERI	Maharashtra Engineering Research Institute
•META	Maharashtra Engineering Training Academy
•MI	Minor Irrigation
•MP	Major Projects

•MKRBA	Maharashtra Krishna River Basin Agency
•MKVDC	Maharashtra Krishna Valley Development Corporation
•MMISF	Maharashtra Management of Irrigation Systems by Farmers
•MO	Mechanical Organisation
•MWRDC	Maharashtra Water Resources Development Center
•MWRRA	Maharashtra Water Resources Regulatory Authority
•MWSIP	Maharashtra Water Sector Improvement Project
•PC	Project Circle
•P.W.D.	Public Works Department
•PIM	Participatory Irrigation Management
•PPMU	Project Preparation & Management Unit
•QA&V	Quality Control, Assurance & Vigilance
•RBAs	River Basin Agencies
•SE	Superintending Engineer
•TIDC	Tapi Irrigation Development Corporation
•TRBA	Tapi River Basin Agency
•UPPC	Upper Painganga Project Circle
•VIDC	Vidarbha Irrigation Development Corporation
•VRBA	Vidarbha River Basin Agency
•WALMI	Water and Land Management Institute
•WR	Water Resources
•WRD	Water Resources Department.
•WRM&CAD	Water Resources Management & Command Area Development
•WRP&D	Water Resources Planning & Development
•WUAs	Water Users' Associations

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